

PI 593682. *Gossypium barbadense* L.

Breeding. P74. GP-633. Pedigree - 7402-126-1-1 / 7406-109-7-6. In 26 tests conducted over 3 years, averaged 1090 kg ha⁻¹ in fiber yield. Fiber properties averaged 34.8 mm for 2.5% staple length, 48% for fiber length uniformity, 33.7 g tex⁻¹ for T1 fiber strength, and 4.28 for micronaire. Plant height averaged 94 cm in 26 tests conducted over 3 years.

PI 593683. *Gossypium barbadense* L.

Breeding. P75. GP-634. Pedigree - 7202-72-11-10 / 7301-5-4-5. In 26 tests conducted over 3 years, averaged 1212 kg ha⁻¹ in fiber yield. Fiber properties averaged 34.5 mm for 2.5 % staple length, 49% for fiber length uniformity, 32.7 g tex⁻¹ for T1 fiber strength, and 4.21 for micronaire. Plant height averaged 94 cm in 26 tests over 3 years. Although a good yield performing line at higher elevations, lacks the heat tolerance required for superior performance in the low elevation desert locations of the Southwest.

PI 593684. *Gossypium barbadense* L.

Breeding. P76. GP-635. Pedigree - 7404-531-506-506 / 7202-50-5-7-1. In 26 tests conducted over 3 years, averaged 1236 kg ha⁻¹ in fiber yield. Fiber properties averaged 34.8 mm for 2.5% staple length, 48% for fiber length uniformity, 33.3 g tex⁻¹ for T1 fiber strength, and 4.34 for micronaire. Plant height average 85.5 cm.

PI 593685. *Gossypium barbadense* L.

Breeding. P77. GP-636. Pedigree - 7501-36-6-8 / 7607-4-7-3. In 21 tests conducted over 3 years, averaged 1316 kg ha⁻¹ in fiber yield. Fiber properties averaged 33.8 mm for 2.5% staple length, 48% for fiber length uniformity, 31.4 g tex⁻¹ for T1 fiber strength and 4.26 for micronaire. Plant height averaged 78.7 cm in 14 tests over 3 years. Short statured and early maturing in comparisons with the industry standard PS-7.

PI 593686. *Gossypium barbadense* L.

Breeding. P78. GP-637. Pedigree - 7503-58-1-2 / 7607-4-7-3. Averaged 1484 kg ha⁻¹ fiber yield in 2 tests in one year. Fiber properties averaged 35 mm for 2.5% staple length, 49% for fiber length uniformity, 31.6 g tex⁻¹ for T1 fiber strength, and 4.44 for micronaire. Plant height averaged 137 cm. Fiber strength and micronaire are not acceptable under current industry standards for ELS fiber.

PI 593687. *Gossypium barbadense* L.

Breeding. P79. GP-638. Pedigree - 7202-50-2-7-3 / 7406-109-7-6. In 8 tests at 8 locations, averaged 1202 kg ha⁻¹ fiber yield. Fiber properties averaged 33.3 mm for 2.5% staple length, 49% for fiber length uniformity, 29.6 g tex⁻¹ for T1 fiber strength, and 4.40 for micronaire. Plant height averaged 76.2 cm in 8 tests and 8 locations. Fiber strength and micronaire are not acceptable under current industry standards for ELS fiber.

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